



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)  
BOARD AND CODE ADMINISTRATION DIVISION  
**NOTICE OF ACCEPTANCE (NOA)**

MIAMI-DADE COUNTY  
PRODUCT CONTROL SECTION  
11805 SW 26 Street, Room 208  
Miami, Florida 33175-2474  
T (786) 315-2590 F (786) 315-2599  
[www.miamidade.gov/economy](http://www.miamidade.gov/economy)

**Soler & Palau USA, Inc.**  
**6393 Powers Avenue**  
**Jacksonville, FL 32217**

**SCOPE:** This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code. This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

**DESCRIPTION: Models TXB and TXBRHUL Aluminum Rooftop Fans**

**APPROVAL DOCUMENT:** Drawing No. **TXBMDHF**, titled "Up Blast TXB/TXBRHUL 8-48", sheets 1 through 5 of 5, dated 06/25/2012, prepared by the manufacturer, signed and sealed by Scott Wolters, P.E., bearing the Miami-Dade County Product Control revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

**MISSILE IMPACT RATING: Large and Small Missile Impact Resistant**

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

**LIMITATION:** This fan cannot be installed within the ridge area, FBC 1523.6.5.2.13.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA **revises** NOA # **09-0513.02** and consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by **Carlos M. Utrera, P.E.**



*Carlos M. Utrera*  
09/20/2012

NOA No. 12-0229.10  
Expiration Date: September 09, 2014  
Approval Date: September 27, 2012  
Page 1

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Drawing No. **TXBMDHF**, titled "Up Blast TXB/TXBRHUL 8-48", sheets 1 through 5 of 5, dated 06/25/2012, prepared by the manufacturer, signed and sealed by Scott Wolters, P.E.

**B. TESTS *"Submitted under NOA # 09-0513.02"***

1. Test reports on 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94  
2) Large Missile Impact Test per FBC, TAS 201-94  
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
along with marked-up drawings and installation diagram of Models TXB and TXBRHUL Centrifugal Roof Exhausters, prepared by Hurricane Test Laboratory, LLC., Test Report No. **0530-0103-09**, dated 08/07/2009, signed and sealed by Vinu J. Abraham, P.E.

**C. CALCULATIONS**

1. Anchor verification calculations, prepared by Wolters Engineering, Inc, dated 07/30/2012, signed and sealed by Scott Wolters, P.E.

*"Submitted under NOA # 09-0513.02"*

2. Anchor verification calculations, prepared by Wolters Engineering, Inc, dated 04/29/2009, signed and sealed by Scott Wolters, P.E.

**D. QUALITY ASSURANCE**

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

**E. MATERIAL CERTIFICATIONS**

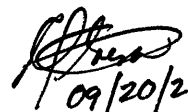
1. None.

**F. STATEMENTS**

1. Statement letter of code conformance to 2010 FBC and no financial interest, issued by Wolters Engineering, Inc, dated 07/30/2012, signed and sealed by Scott Wolters, P.E.

*"Submitted under NOA # 09-0513.02"*

2. Statement letter of code conformance issued by Wolters Engineering, Inc, dated 04/30/2009, signed and sealed by Scott Wolters, P.E.
3. Statement letter of no financial interest issued by Wolters Engineering, Inc, dated 04/30/2009, signed and sealed by Scott Wolters, P.E.
4. Laboratory compliance letter issued by Hurricane Test Laboratory, LLC., Test Report No. **0530-0103-09**, dated 08/07/2009, signed and sealed by Vinu J. Abraham, P.E.



09/20/2012

Carlos M. Utrera, P.E.  
Product Control Examiner  
NOA No. 12-0229.10

Expiration Date: September 09, 2014  
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| MODEL         | A      | B      | C      | D  | E     |
|---------------|--------|--------|--------|----|-------|
| TXB-TXBRHUL8  | 16 1/2 | 24     | 24     | 27 | 1 3/4 |
| TXB-TXBRHUL10 | 16 1/2 | 27     | 26     | 29 | 1 3/4 |
| TXB-TXBRHUL12 | 24     | 31 1/2 | 26     | 29 | 2 1/2 |
| TXB-TXBRHUL15 | 24     | 31 1/2 | 26     | 29 | 2 1/2 |
| TXB-TXBRHUL16 | 24     | 31 1/2 | 26     | 29 | 2 1/2 |
| TXB-TXBRHUL18 | 29 1/2 | 37 3/4 | 28 1/2 | 32 | 2 1/2 |
| TXB-TXBRHUL20 | 29 1/2 | 37 3/4 | 28 1/2 | 32 | 2 1/2 |
| TXB-TXBRHUL24 | 35 1/2 | 47 1/4 | 31 1/2 | 42 | 2 1/2 |
| TXB-TXBRHUL30 | 42 1/2 | 56 3/4 | 41     | 45 | 2 1/2 |
| TXB-TXBRHUL36 | 42 1/2 | 66     | 44     | 48 | 2 1/2 |
| TXB-TXBRHUL42 | 55     | 72 1/2 | 48     | 52 | 2 1/2 |
| TXB-TXBRHUL48 | 55     | 78 3/4 | 52     | 56 | 2 1/2 |

NOTES:

- MODEL TXB & TXBRHUL HAVE BEEN SUCCESSFULLY TESTED IN ACCORDANCE WITH THE MIAMI DADE TEST PROTOCOL TAS-201 (LARGE MISSILE IMPACT)
- TAS-202 (STATIC LOADING) AND TAS-203 (CYCLICAL LOAD TEST).
- THIS FAN HAS NOT BEEN TESTED FOR WIND DRIVEN RAIN PER FBC, TAS 100(A).
- THIS APPROVAL IS FOR THE STRUCTURAL PERFORMANCE AND IMPACT RESISTANCE ONLY. INTERIOR MECHANISM AND/OR ELECTRICAL CIRCUITRY ARE OUTSIDE THE SCOPE OF THIS APPROVAL.
- ROOF STRUCTURE MUST BE DESIGNED TO WITHSTAND THE WEIGHT AND LOADING TRANSMITTED BY ROOF TOP FANS. FASTENERS SHALL BE AS SPECIFIED AND INSTALLED AS DETAILED
- DESIGN TESTING AND INSTALLATION CONFORMS TO THE 2010 FLORIDA BUILDING CODE, INCLUDING THE HVHZ PROVISIONS.
- FAN CURBS MUST BE ANCHORED TO ROOF FRAMING MEMBERS AND NOT TO THE ROOFING SYSTEM.

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 12-0229.10  
Expiration Date 09/09/2014  
By *[Signature]*  
Miami Dade Product Control

SCOTT WOLTERS  
FL PE# 62354  
WOLTERS ENGINEERING  
(COA# 27194)  
1271 GRANT STREET  
HOLLYWOOD, FL 33019  
PH/FAX(954) 921-5828

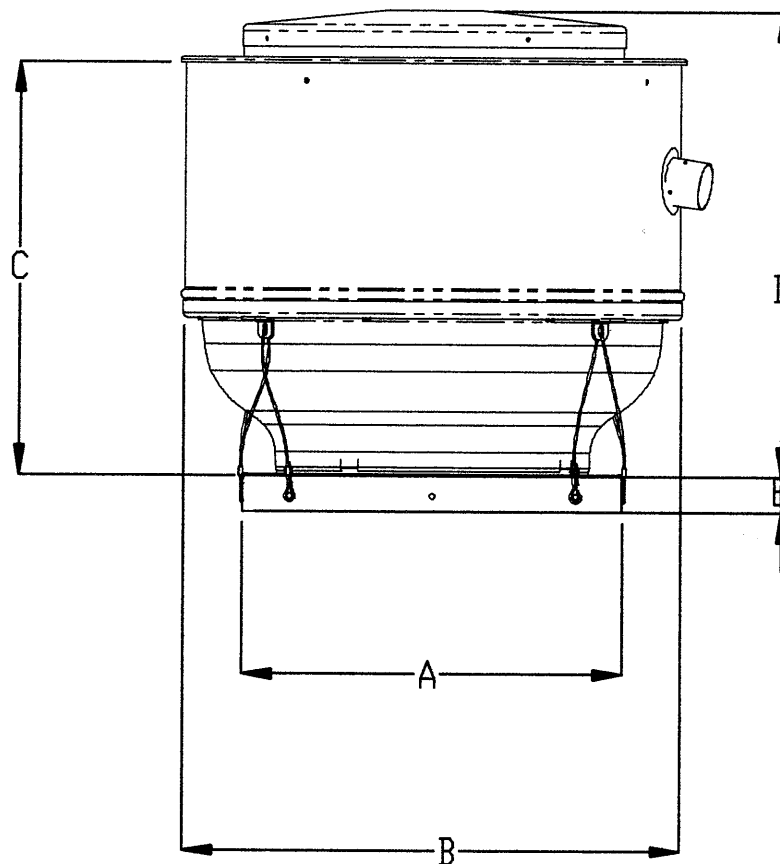
SEAL  
*[Signature]*  
JUL 30 2012

UNLESS OTHERWISE SPECIFIED DIMENSIONS  
ARE IN INCHES TOLERANCES ARE  
FRACTIONS: ± 1/16    DECIMALS: XX ± .03    ANGLES: ± 1°  
MATERIAL:    PROJECT NO.:    DATE: 06/25/12  
APPROVALS:    CHECKED:    SCALE: 3/8" = 1'-0"    NO NOT SCALE DRAWING

SHEET 1 OF 5  
Soler & Palau USA

UP BLAST  
SUMMARY

TXBMDHF

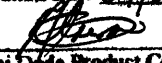


| ITEM no. | QUANTITY | DESCRIPTION         | MATERIAL           | DIMENSIONS              |
|----------|----------|---------------------|--------------------|-------------------------|
| 1        | 1        | BASE CAP            | ALumn.<br>3003-H14 | .100X55.00X55.00 max    |
| 2        | 10       | Support leg         | Galv.G-90          | 10Ga. 29 3/4 max X 3.00 |
| 3        | 1        | Wind Band           | Alumn.<br>3003-H14 | .050X24.00X78 3/4max    |
| 4        | 1        | Drive Support Plate | Galv.G-90          | 10Ga.X78 1/2 max O.D.   |
| 5        | 1        | Shroud              | Alumn.<br>3003-H14 | .90X30 3/4X78 3/4 max   |
| 6        | 1        | Drive cover         | Alumn.<br>3003-H14 | .050X24X54 1/2 max      |
| 7        | 1        | Drive cover cap     | Alumn.<br>3003-H14 | .050X54 5/8 max         |
| 8        | 4        | Tie down clip       | Alumn.<br>3003-H14 | .190X1.25X1.70 max      |
| 9        | 4        | Tie down cable      | Galvanized         | 3/16 In 7X19 max        |
| 10       | 8        | Cable sleeves       | Aluminum           | 3/16 Sleeves            |

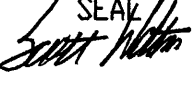
Note: Large Missile Impact Resistant

| Design Limits                     |                        |
|-----------------------------------|------------------------|
| Max. Design Load                  | ±61 psf(2.9Kpa)        |
| Max Overall Enclosure Dia.        | 54 5/8(1387.5)         |
| Max Overall Unit Height W/ Curb   | 80.00in (2032mm)       |
| Max. Overall Unit Height W/Ø Curb | 56.00in(1422.4mm)      |
| Max. Curb Cap Sq. Dim.            | 55.00in(1397mm)        |
| Max. Roof Curb Sq. Dm.            | 54.00in(1371.6mm)      |
| Max Weight/Dead Load              | 490lbs.(2179N)         |
| Max Over Turn Moment:             |                        |
| Max Transmitted Shear Force:      |                        |
| Qualified Substrates              | Min. 2000 Psi Concrete |

1/8' steel, wood southern yellow pine 2 X member  
min. SG = 0.55

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JUL 30 2012

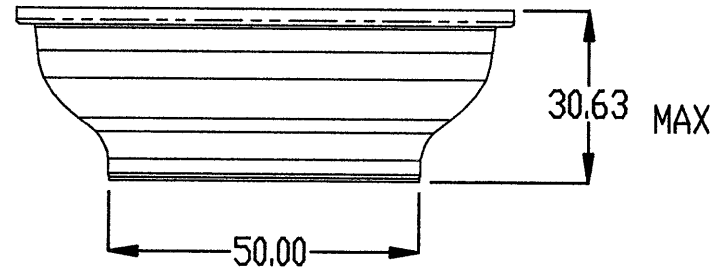
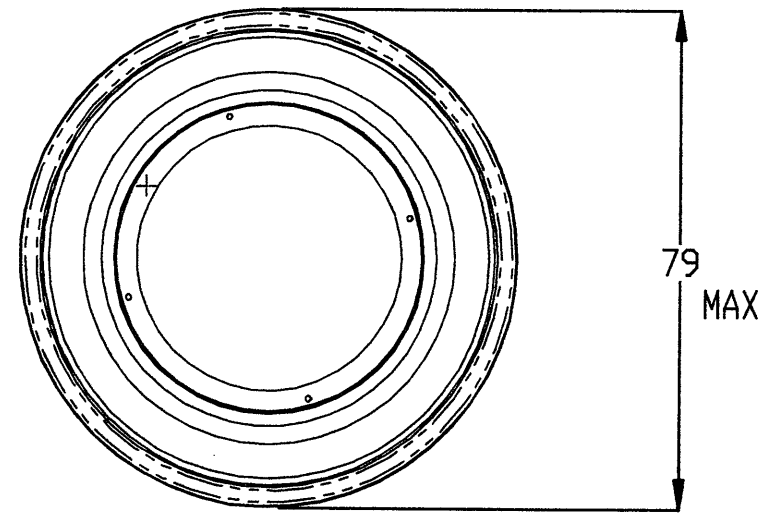
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE  
FRACTIONS  
± 1/16  
DECIMALS  
XX ± .03  
XXX ± .015  
ANGLES  
± 1°  
MATERIAL  
PROJECT NO.  
APPROVALS  
DATE  
06/25/12  
NOT TO SCALE DRAWING

SHEET 2 OF 5  
Soler & Palau USA

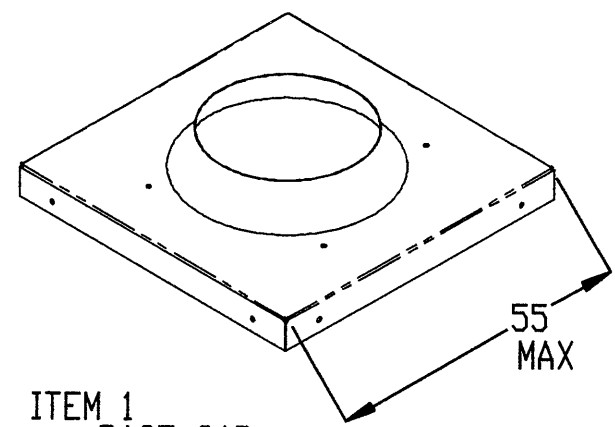
TXB/TXBRHUL 8-48

DATE A 06/25/12  
NOT TO SCALE  
TXBMDHF  
C



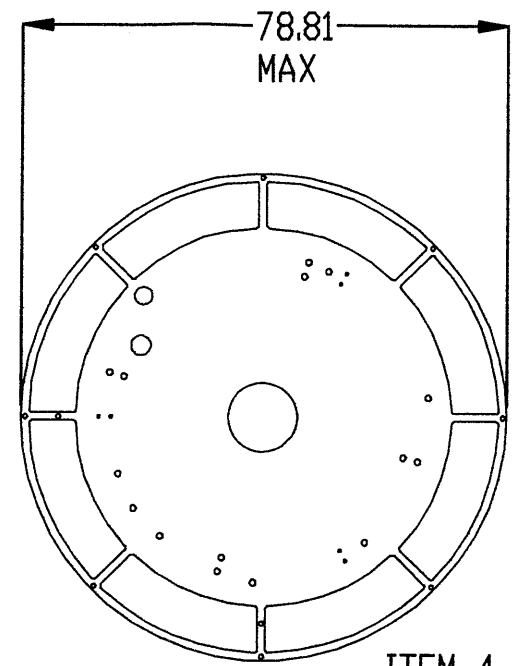


MAX  
ITEM 5  
SHROUD

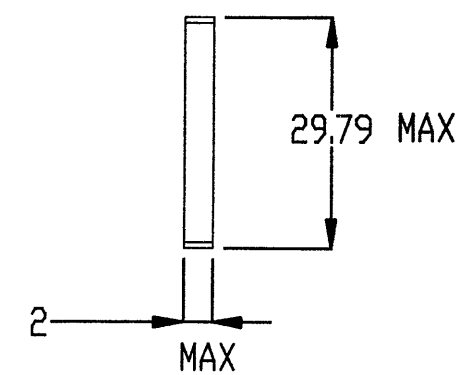


ITEM 1  
BASE CAP

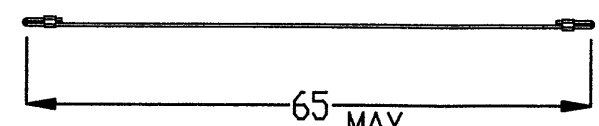
NOTE: LARGE MISSILE IMPACT RESISTANT



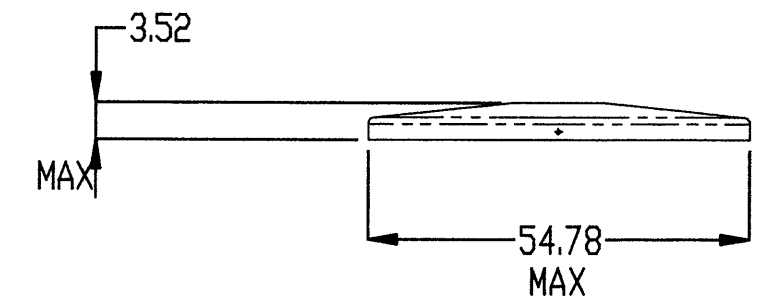
ITEM 4  
DRIVE SUPPORT  
PLATE



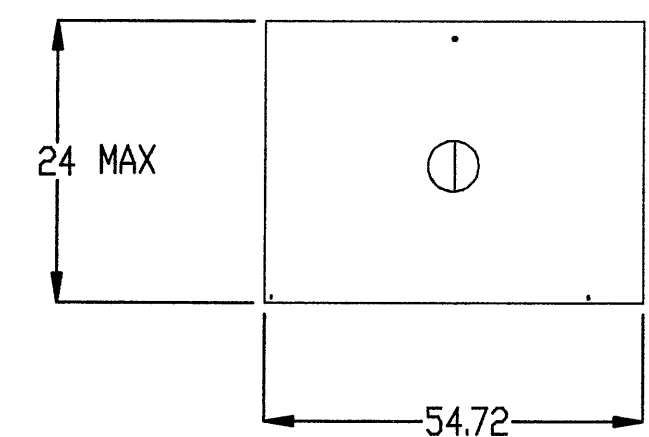
ITEM 2  
SUPPORT LEG



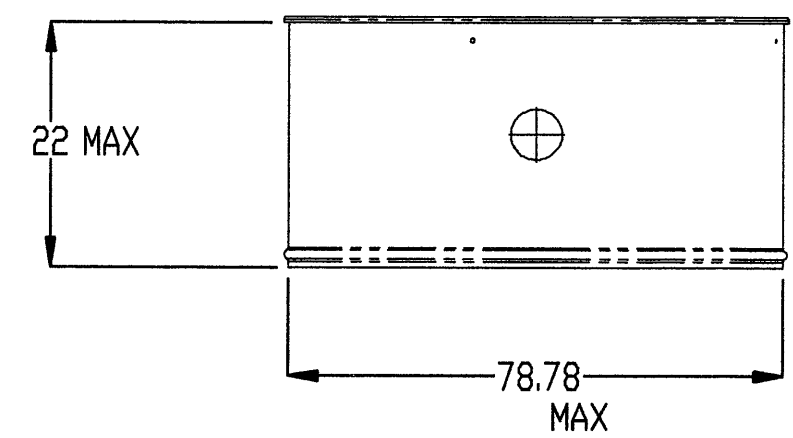
ITEM 9  
TIE DOWN CABLE



ITEM 7  
DRIVE COVER CAP



ITEM 6  
DRIVE COVER

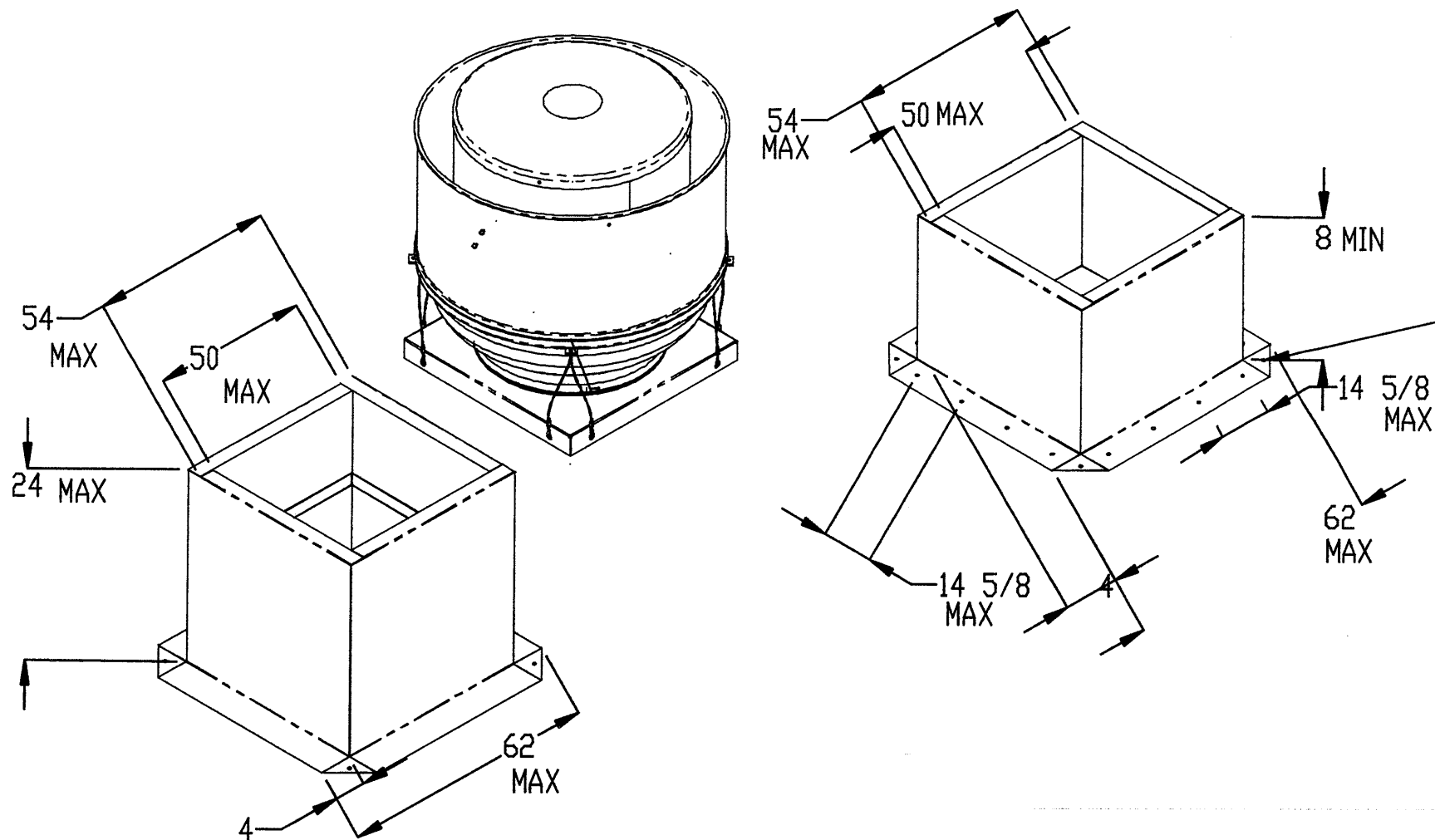


ITEM 3  
WINDBAND

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By *[Signature]*  
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SEAL  
*[Signature]*  
JUL 30 2012



SECURE CURB TO ROOF FRAMING MEMBERS BY DRILLING 1/4" PILOT HOLES IN THE CURB FLANGE AT LOCATIONS SHOWN IN THE DIAGRAM SEE TABLE FOR MINIMUM QUANTITY OF ANCHORS REQUIRED PER CURB SIDE.

Curb Note;

**CURB MUST BE ATTACHED TO A STRUCTURAL MEMBER OF THE BUILDING.**

**Concrete Deck:**

Curb anchorage should be into minimum 2000 PSI concrete.  
Use 3/8 x 3" wedge anchors or equal, one each corner, each side  
Of center of curb, and maximum 14 5/8 inches on center spacing along side.  
Anchors shall be minimum 1 5/8" embedment and 1 3/4" from edge distance.

**Steel Roof Structure:**

Or should be into minimum 12Ga. (1/8") steel member.  
Fasteners shall be #12-14 x 1 3/4" self drilling screws or equal,  
1 fastener each corner, 1 each side at center of unit and maximum  
On center spacing of 14 5/8" each side.

**Timber Roof Structure:**

Or shall be into minimum No. 1 / No. 2 southern pine 2x member (SG=0.55 or better).  
Fasteners shall be # 12x3" wood screws or equal. Fasteners shall be installed one each corner.  
Each side at center of unit, and at 12 5/8" maximum on center spacing along the side.  
Center fastener on supporting 2 x members with minimum 2" thread engagement and 2" end distance. Curb must be anchored to the roof framing and not to the roofing system.

NOTE: LARGE MISSILE IMPACT RESISTANT

| UNIT SIZE | FASTENER NEEDED<br>SELF DRILLING SCREWS | MIN. NUMBER OF FASTENERS PER SIDE TO ATTACH UNIT TO CURB | MIN NUMBER OF FASTENERS PER SIDE TO ATTACH CURB TO ROOF STRUCTURE |
|-----------|---|--|---|
| 6         | #12-14X1-3/4"                           | 3  | 3   |
| 8         | #12-14X1-3/4"                           | 3  | 3   |
| 9         | #12-14X1-3/4"                           | 3  | 3   |
| 11        | #12-14X1-3/4"                           | 3  | 3   |
| 12        | #12-14X1-3/4"                           | 3  | 3   |
| 14        | #12-14X1-3/4"                           | 3  | 3   |
| 16        | #12-14X1-3/4"                           | 3  | 3   |
| 18        | #12-14X1-3/4"                           | 5  | 5   |
| 20        | #12-14X1-3/4"                           | 5  | 5   |
| 24        | #12-14X1-3/4"                           | 5  | 5   |
| 30        | #12-14X1-3/4"                           | 5  | 5   |
| 36        | #12-14X1-3/4"                           | 5  | 5   |
| 42        | #12-14X1-3/4"                           | 5  | 5   |
| 48        | #12-14X1-3/4"                           | 5  | 5   |

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